

1648

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/147,362A

DATE: 08/07/2001

TIME: 10:22:08

Input Set : A:\10518p93.app

Output Set: N:\CRF3\08072001\I147362A.raw

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AUG 31 2001  
TECH CENTER 1600/2900

3 <110> APPLICANT: CHENEBAUX, DENIS MARIE  
5 <120> TITLE OF INVENTION: SYNTHETIC PEPTIDES WHICH CAN BE USED IN BIOLOGICAL  
6 TESTS FOR THE DETECTION OF INFECTIONS DUE TO THE  
7 GROUP O HIV-1 VIRUS

9 <130> FILE REFERENCE: 10518/P63163US0  
11 <140> CURRENT APPLICATION NUMBER: 09/147,362A  
12 <141> CURRENT FILING DATE: 1999-03-12  
14 <160> NUMBER OF SEQ ID NOS: 22  
16 <170> SOFTWARE: PatentIn Ver. 2.1  
18 <210> SEQ ID NO: 1  
19 <211> LENGTH: 22  
20 <212> TYPE: PRT  
21 <213> ORGANISM: Artificial Sequence  
23 <220> FEATURE:  
24 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓  
25 peptide  
27 <400> SEQUENCE: 1  
28 Leu Leu Ser Leu Trp Gly Cys Arg Gly Lys Ala Val Cys Tyr Thr Ser  
29 1 5 10 15  
31 Val Gln Trp Asn Glu Thr  
32 20  
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38 <213> ORGANISM: Artificial Sequence  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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49 20  
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53 <211> LENGTH: 22  
54 <212> TYPE: PRT  
55 <213> ORGANISM: Artificial Sequence  
57 <220> FEATURE:  
58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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61 <400> SEQUENCE: 3  
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63 1 5 10 15  
65 Val Gln Trp Asn Glu Thr  
66 20  
69 <210> SEQ ID NO: 4  
70 <211> LENGTH: 22

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71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
76     peptide
78 <400> SEQUENCE: 4
79 Leu Leu Ser Ser Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser
80  1           5           10           15
82 Val Gln Trp Asn Ser Thr
83           20
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87 <211> LENGTH: 22
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
93     peptide
95 <400> SEQUENCE: 5
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97  1           5           10           15
99 Val Gln Trp Asn Ser Thr
100          20
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105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
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117          20
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122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
127     peptide
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131  1           5           10           15
133 Val Gln Trp Asn Glu Thr
134          20
137 <210> SEQ ID NO: 8
138 <211> LENGTH: 22
139 <212> TYPE: PRT

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140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
144     peptide
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155 <211> LENGTH: 16
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159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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178 Leu Leu Asn Ser Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser
179   1           5           10           15
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183 <211> LENGTH: 32
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
189     peptide
191 <400> SEQUENCE: 11
192 Ala Leu Glu Thr Leu Leu Gln Asn Gln Gln Leu Leu Asn Ser Trp Gly
193   1           5           10           15
195 Cys Arg Gly Arg Leu Val Cys Tyr Thr Ser Val Arg Trp Asn Glu Thr
196   20           25           30
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201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
206     peptide
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209 Ala Leu Glu Thr Leu Leu Gln Asn Gln Gln Leu Leu Asn Ile Trp Gly
210   1           5           10           15
212 Cys Arg Gly Arg Leu Val Cys Tyr Thr Ser Val Arg Trp Asn Glu Thr
213   20           25           30
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217 <211> LENGTH: 32
218 <212> TYPE: PRT
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222 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
223     peptide
225 <400> SEQUENCE: 13
226 Ala Leu Glu Thr Leu Leu Gln Asn Gln Gln Leu Leu Asp Leu Trp Gly
227   1           5           10           15
229 Cys Arg Gly Arg Leu Val Cys Tyr Thr Ser Val Arg Trp Asn Glu Thr
230   20           25           30
233 <210> SEQ ID NO: 14
234 <211> LENGTH: 22
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
240     peptide
242 <400> SEQUENCE: 14
243 Leu Asn Gln Gln Arg Leu Leu Asn Ser Trp Gly Cys Lys Gly Arg Leu
244   1           5           10           15
246 Val Cys Tyr Thr Ser Val
247   20
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251 <211> LENGTH: 28
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
257     peptide
259 <400> SEQUENCE: 15
260 Arg Ala Leu Glu Thr Leu Leu Asn Gln Gln Arg Leu Leu Asn Ser Trp
261   1           5           10           15
263 Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser Val
264   20           25
267 <210> SEQ ID NO: 16
268 <211> LENGTH: 17
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
274     peptide
276 <400> SEQUENCE: 16
277 Arg Leu Asn Ser Trp Gly Cys Lys Gly Arg Leu Val Cys Tyr Thr Ser

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Input Set : A:\10518p93.app

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280 Val
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285 <211> LENGTH: 5
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287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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293 <400> SEQUENCE: 17
294 Lys Gly Lys Leu Ile
295      1              5
298 <210> SEQ ID NO: 18
299 <211> LENGTH: 5
300 <212> TYPE: PRT
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304 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
305     peptide
307 <400> SEQUENCE: 18
308 Lys Gly Lys Leu Val
309      1              5
312 <210> SEQ ID NO: 19
313 <211> LENGTH: 22
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319     peptide
321 <400> SEQUENCE: 19
322 Leu Leu Asn Leu Trp Gly Cys Lys Asn Arg Ala Ile Cys Tyr Thr Ser
323      1              5              10              15
325 Val Lys Trp Asn Lys Thr
326              20
329 <210> SEQ ID NO: 20
330 <211> LENGTH: 35
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335 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
336     peptide
338 <400> SEQUENCE: 20
339 Arg Leu Leu Ala Leu Glu Thr Phe Ile Glu Glu Asn Glu Leu Leu Asn
340      1              5              10              15
342 Leu Trp Gly Cys Lys Asn Arg Ala Ile Cys Tyr Thr Ser Val Lys Trp
343              20              25              30
345 Asn Lys Thr
346              35
349 <210> SEQ ID NO: 21

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

**VERIFICATION SUMMARY**

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Input Set : A:\10518p93.app

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L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22

L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22